Marcia Carvalho

List of Publications by Year in Descending Order

87 papers	3,473 citations	35 h-index	57 g-index
114 ext. papers	3,961 ext. citations	4.8 avg, IF	5.2 L-index

#	Paper	IF	Citations
87	Comprehensive Metabolomics and Lipidomics Profiling of Prostate Cancer Tissue Reveals Metabolic Dysregulations Associated with Disease Development. *Journal of Proteome Research*, **2021**,	5.6	2
86	Toxicometabolomics: Small Molecules to Answer Big Toxicological Questions. *Metabolites*, **2021**, 11,	5.6	2
85	Advances and Perspectives in Prostate Cancer Biomarker Discovery in the Last 5 Years through Tissue and Urine Metabolomics. *Metabolites*, **2021**, 11,	5.6	12
84	Urinary Volatilomics Unveils a Candidate Biomarker Panel for Noninvasive Detection of Clear Cell Renal Cell Carcinoma. *Journal of Proteome Research*, **2021**, 20, 3068-3077	5.6	5
83	In vivo toxicometabolomics reveals multi-organ and urine metabolic changes in mice upon acute exposure to human-relevant doses of 3,4-methylenedioxypyrovalerone (MDPV). *Archives of Toxicology*, **2021**, 95, 509-527	5.8	3
82	Effect of temperature on 3,4-Methylenedioxypyrovalerone (MDPV)-induced metabolome disruption in primary mouse hepatic cells. *Toxicology*, **2020**, 441, 152503	4.4	6
81	New findings on urinary prostate cancer metabolome through combined GC-MS and H NMR analytical platforms. *Metabolomics*, **2020**, 16, 70	4.7	13
80	The interplay between autophagy and apoptosis mediates toxicity triggered by synthetic cathinones in human kidney cells. *Toxicology Letters*, **2020**, 331, 42-52	4.4	2
79	3,4-Methylenedioxymethamphetamine Hepatotoxicity under the Heat Stress Condition: Novel Insights from in Vitro Metabolomic Studies. *Journal of Proteome Research*, **2020**, 19, 1222-1234	5.6	5
78	Volatilomics Reveals Potential Biomarkers for Identification of Renal Cell Carcinoma: An In Vitro Approach. *Metabolites*, **2020**, 10,	5.6	1
77	A Panel of Urinary Volatile Biomarkers for Differential Diagnosis of Prostate Cancer from Other Urological Cancers. *Cancers*, **2020**, 12,	6.6	9
76	Metabolic signature of methylone in primary mouse hepatocytes, at subtoxic concentrations. *Archives of Toxicology*, **2019**, 93, 3277-3290	5.8	7
75	Exposure to BTEX in buses: The influence of vehicle fuel type. *Environmental Pollution*, **2019**, 255, 113100	9.3	6
74	GC-MS Metabolomics Reveals Distinct Profiles of Low- and High-Grade Bladder Cancer Cultured Cells. *Metabolites*, **2019**, 9,	5.6	8
73	Environmental and biological monitoring of benzene, toluene, ethylbenzene and xylene (BTEX) exposure in residents living near gas stations. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2019**, 82, 550-563	3.2	15
72	Hepatic Metabolic Derangements Triggered by Hyperthermia: An In Vitro Metabolomic Study. *Metabolites*, **2019**, 9,	5.6	3
71	Identification of a biomarker panel for improvement of prostate cancer diagnosis by volatile metabolic profiling of urine. *British Journal of Cancer*, **2019**, 121, 857-868	8.7	37

70	Volatile metabolomic signature of bladder cancer cell lines based on gas chromatography-mass spectrometry. *Metabolomics*, **2018**, 14, 62	4.7	24
69	Discrimination between the human prostate normal and cancer cell exometabolome by GC-MS. *Scientific Reports*, **2018**, 8, 5539	4.9	29
68	NMR-based metabolomics studies of human prostate cancer tissue. *Metabolomics*, **2018**, 14, 88	4.7	11
67	GC-MS-Based Endometabolome Analysis Differentiates Prostate Cancer from Normal Prostate Cells. *Metabolites*, **2018**, 8,	5.6	15
66	GC-MS metabolomics reveals disturbed metabolic pathways in primary mouse hepatocytes exposed to subtoxic levels of 3,4-methylenedioxymethamphetamine (MDMA). *Archives of Toxicology*, **2018**, 92, 3307-3323	5.8	21
65	SP342HEPCIDIN-25 AND TREATMENT WITH ERYTHROPOIESIS STIMULATING AGENTS ARE INDEPENDENTLY RELATED WITH ERYTHROPOIESIS IN CHRONIC HEMODIALYSIS PATIENTS. *Nephrology Dialysis Transplantation*, **2018**, 33, i460-i460	4.3	1
64	Analysis of extracellular metabolome by HS-SPME/GC-MS: Optimization and application in a pilot study to evaluate galactosamine-induced hepatotoxicity. *Toxicology Letters*, **2018**, 295, 22-31	4.4	14
63	Neurotoxicity of β-Keto Amphetamines: Deathly Mechanisms Elicited by Methylone and MDPV in Human Dopaminergic SH-SY5Y Cells. *ACS Chemical Neuroscience*, **2017**, 8, 850-859	5.7	41
62	Metabolomic approaches in the discovery of potential urinary biomarkers of drug-induced liver injury (DILI). *Critical Reviews in Toxicology*, **2017**, 47, 633-649	5.7	16
61	Methylone and MDPV activate autophagy in human dopaminergic SH-SY5Y cells: a new insight into the context of β-keto amphetamines-related neurotoxicity. *Archives of Toxicology*, **2017**, 91, 3663-3676	5.8	37
60	GC-MS metabolomics-based approach for the identification of a potential VOC-biomarker panel in the urine of renal cell carcinoma patients. *Journal of Cellular and Molecular Medicine*, **2017**, 21, 2092-2103	5.6	51
59	Renal cell carcinoma: a critical analysis of metabolomic biomarkers emerging from current model systems. *Translational Research*, **2017**, 180, 1-11	11	24
58	Nuclear Magnetic Resonance metabolomics reveals an excretory metabolic signature of renal cell carcinoma. *Scientific Reports*, **2016**, 6, 37275	4.9	28
57	Editor's Highlight: Characterization of Hepatotoxicity Mechanisms Triggered by Designer Cathinone Drugs (β-Keto Amphetamines). *Toxicological Sciences*, **2016**, 153, 89-102	4.4	42
56	Chiral enantioresolution of cathinone derivatives present in "legal highs", and enantioselectivity evaluation on cytotoxicity of 3,4-methylenedioxypyrovalerone (MDPV). *Forensic Toxicology*, **2016**, 34, 372-385	2.6	33
55	3,4-Methylenedioxypyrovalerone (MDPV): in vitro mechanisms of hepatotoxicity under normothermic and hyperthermic conditions. *Archives of Toxicology*, **2016**, 90, 1959-73	5.8	52
54	Optimisation and validation of a HS-SPME-GC-IT/MS method for analysis of carbonyl volatile compounds as biomarkers in human urine: Application in a pilot study to discriminate individuals with smoking habits. *Talanta*, **2016**, 148, 486-93	6.2	31
53	Biomarkers in bladder cancer: A metabolomic approach using in vitro and ex vivo model systems. *International Journal of Cancer*, **2016**, 139, 256-68	7.5	49

52	Adipokine Gene Single-Nucleotide Polymorphisms in Portuguese Obese Adolescents: Associations with Plasma Concentrations of Adiponectin, Resistin, IL-6, IL-1 and TNF- *Childhood Obesity*, **2016**, 12, 300-13	2.5	11
51	Biomarker Discovery in Human Prostate Cancer: an Update in Metabolomics Studies. *Translational Oncology*, **2016**, 9, 357-70	4.9	89
50	The hallucinogenic world of tryptamines: an updated review. *Archives of Toxicology*, **2015**, 89, 1151-73	5.8	147
49	Raising awareness of new psychoactive substances: chemical analysis and in vitro toxicity screening of 'legal high' packages containing synthetic cathinones. *Archives of Toxicology*, **2015**, 89, 757-71	5.8	60
48	Is hyperthermia the triggering factor for hepatotoxicity induced by bath salts? An in vitro study using primary cultured rat hepatocytes. *Toxicology Letters*, **2015**, 238, S260	4.4	
47	Potentiality of volatile organic compounds to discriminate patients with cancer by using chemometric tools **2015**, 166-184		1
46	Khat and synthetic cathinones: a review. *Archives of Toxicology*, **2014**, 88, 15-45	5.8	223
45	Biomarkers in renal cell carcinoma: a metabolomics approach. *Metabolomics*, **2014**, 10, 1210-1222	4.7	21
44	Analysis of volatile human urinary metabolome by solid-phase microextraction in combination with gas chromatography-mass spectrometry for biomarker discovery: application in a pilot study to discriminate patients with renal cell carcinoma. *European Journal of Cancer*, **2014**, 50, 1993-2002	7.5	42
43	Update on 1-benzylpiperazine (BZP) party pills. *Archives of Toxicology*, **2013**, 87, 929-47	5.8	27
42	Metabolomics analysis for biomarker discovery: advances and challenges. *Current Medicinal Chemistry*, **2013**, 20, 257-71	4.3	165
41	Cocaine-induced kidney toxicity: an in vitro study using primary cultured human proximal tubular epithelial cells. *Archives of Toxicology*, **2012**, 86, 249-61	5.8	26
40	Toxicity of amphetamines: an update. *Archives of Toxicology*, **2012**, 86, 1167-231	5.8	296
39	Further insights into chemical characterization through GC-MS and evaluation for anticancer potential of Dracaena draco leaf and fruit extracts. *Food and Chemical Toxicology*, **2012**, 50, 3847-52	4.7	6
38	Targeted metabolites and biological activities of Cydonia oblonga Miller leaves. *Food Research International*, **2012**, 46, 496-504	7	15
37	Contribution of oxidative metabolism to cocaine-induced liver and kidney damage. *Current Medicinal Chemistry*, **2012**, 19, 5601-6	4.3	46
36	Dracaena draco L. fruit: Phytochemical and antioxidant activity assessment. *Food Research International*, **2011**, 44, 2182-2189	7	26
35	Biological activities of Portuguese propolis: protection against free radical-induced erythrocyte damage and inhibition of human renal cancer cell growth in vitro. *Food and Chemical Toxicology*, **2011**, 49, 86-92	4.7	79

34	Comparative antihemolytic and radical scavenging activities of strawberry tree (Arbutus unedo L.) leaf and fruit. *Food and Chemical Toxicology*, **2011**, 49, 2285-91	4.7	80
33	A rapid and simple procedure for the establishment of human normal and cancer renal primary cell cultures from surgical specimens. *PLoS ONE*, **2011**, 6, e19337	3.7	41
32	Phytochemical profiles and inhibitory effect on free radical-induced human erythrocyte damage of Dracaena draco leaf: A potential novel antioxidant agent. *Food Chemistry*, **2011**, 124, 927-934	8.5	10
31	Contribution of catecholamine reactive intermediates and oxidative stress to the pathologic features of heart diseases. *Current Medicinal Chemistry*, **2011**, 18, 2272-314	4.3	77
30	First report on Cydonia oblonga Miller anticancer potential: differential antiproliferative effect against human kidney and colon cancer cells. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 3366-70	5.7	62
29	Human cancer cell antiproliferative and antioxidant activities of Juglans regia L. *Food and Chemical Toxicology*, **2010**, 48, 441-7	4.7	202
28	Development and validation of a gas chromatography/ion trap-mass spectrometry method for simultaneous quantification of cocaine and its metabolites benzoylecgonine and norcocaine: application to the study of cocaine metabolism in human primary cultured renal cells. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2010**, 878, 3083-8	3.2	18
27	Green tea: A promising anticancer agent for renal cell carcinoma. *Food Chemistry*, **2010**, 122, 49-54	8.5	38
26	Mechanisms underlying the hepatotoxic effects of ecstasy. *Current Pharmaceutical Biotechnology*, **2010**, 11, 476-95	2.6	45
25	Recent Patents on Camellia sinensis: Source of Health Promoting Compounds. *Recent Patents on Food, Nutrition & Agriculture*, **2010**, 1, 182-192	1.9	3
24	Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. *Toxicology*, **2009**, 257, 70-9	4.4	30
23	Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. *Toxicology*, **2009**, 260, 84-96	4.4	27
22	Cross-functioning between the extraneuronal monoamine transporter and multidrug resistance protein 1 in the uptake of adrenaline and export of 5-(glutathion-S-yl)adrenaline in rat cardiomyocytes. *Chemical Research in Toxicology*, **2009**, 22, 129-135	4	14
21	Evaluation of free radical-scavenging and antihemolytic activities of quince (Cydonia oblonga) leaf: a comparative study with green tea (Camellia sinensis). *Food and Chemical Toxicology*, **2009**, 47, 860-5	4.7	111
20	Protective effect of quince (Cydonia oblonga Miller) fruit against oxidative hemolysis of human erythrocytes. *Food and Chemical Toxicology*, **2009**, 47, 1372-7	4.7	85
19	Recent patents on Camellia sinensis: source of health promoting compounds. *Recent Patents on Food, Nutrition & Agriculture*, **2009**, 1, 182-92	1.9	25
18	Stroke and multiple peripheral thrombotic events in an adult with varicella. *European Journal of Neurology*, **2008**, 15, e90-1	6	21
17	Ethanol, the forgotten artifact in cell culture. *Archives of Toxicology*, **2008**, 82, 197-8	5.8	1

16	Evaluation of GSH adducts of adrenaline in biological samples. *Biomedical Chromatography*, **2007**, 21, 670-9	1.7	11
15	Repeated Administration of d-Amphetamine Results in a Time-dependent and Dose-independent Sustained Increase in Urinary Excretion of p-Hydroxyamphetamine in Mice. *Journal of Health Science*, **2007**, 53, 371-377		3
14	Oxidation process of adrenaline in freshly isolated rat cardiomyocytes: formation of adrenochrome, quinoproteins, and GSH adduct. *Chemical Research in Toxicology*, **2007**, 20, 1183-91	4	52
13	Implementation of HPLC Methodology for the Quantification of Malondialdehyde in Cell Suspensions and Liver. *Journal of Liquid Chromatography and Related Technologies*, **2004**, 27, 2357-2369	1.3	5
12	Protective activity of hesperidin and lipoic acid against sodium arsenite acute toxicity in mice. *Toxicologic Pathology*, **2004**, 32, 527-35	2.1	43
11	Hepatotoxicity of 3,4-methylenedioxyamphetamine and alpha-methyldopamine in isolated rat hepatocytes: formation of glutathione conjugates. *Archives of Toxicology*, **2004**, 78, 16-24	5.8	70
10	Simultaneous determination of amphetamine derivatives in human urine after SPE extraction and HPLC-UV analysis. *Biomedical Chromatography*, **2004**, 18, 125-31	1.7	49
9	The toxicity of N-methyl-alpha-methyldopamine to freshly isolated rat hepatocytes is prevented by ascorbic acid and N-acetylcysteine. *Toxicology*, **2004**, 200, 193-203	4.4	72
8	Metabolism is required for the expression of ecstasy-induced cardiotoxicity in vitro. *Chemical Research in Toxicology*, **2004**, 17, 623-32	4	66
7	Protective activity of Hypericum androsaemum infusion against tert-butyl hydroperoxide-induced oxidative damage in isolated rat hepatocytes. *Journal of Ethnopharmacology*, **2004**, 92, 79-84	5	16
6	Hypericum androsaemum infusion increases tert-butyl hydroperoxide-induced mice hepatotoxicity in vivo. *Journal of Ethnopharmacology*, **2004**, 94, 345-51	5	18
5	Hepatoprotective activity of polyhydroxylated 2-styrylchromones against tert-butylhydroperoxide induced toxicity in freshly isolated rat hepatocytes. *Archives of Toxicology*, **2003**, 77, 500-5	5.8	28
4	Effect of 3,4-methylenedioxymethamphetamine ("ecstasy") on body temperature and liver antioxidant status in mice: influence of ambient temperature. *Archives of Toxicology*, **2002**, 76, 166-72	5.8	57
3	Role of metabolites in MDMA (ecstasy)-induced nephrotoxicity: an in vitro study using rat and human renal proximal tubular cells. *Archives of Toxicology*, **2002**, 76, 581-8	5.8	66
2	Cu2+-induced isoproterenol oxidation into isoprenochrome in adult rat calcium-tolerant cardiomyocytes. *Chemical Research in Toxicology*, **2002**, 15, 861-9	4	43
1	Is hyperthermia the triggering factor for hepatotoxicity induced by 3,4-methylenedioxymethamphetamine (ecstasy)? An in vitro study using freshly isolated mouse hepatocytes. *Archives of Toxicology*, **2001**, 74, 789-93	5.8	47